

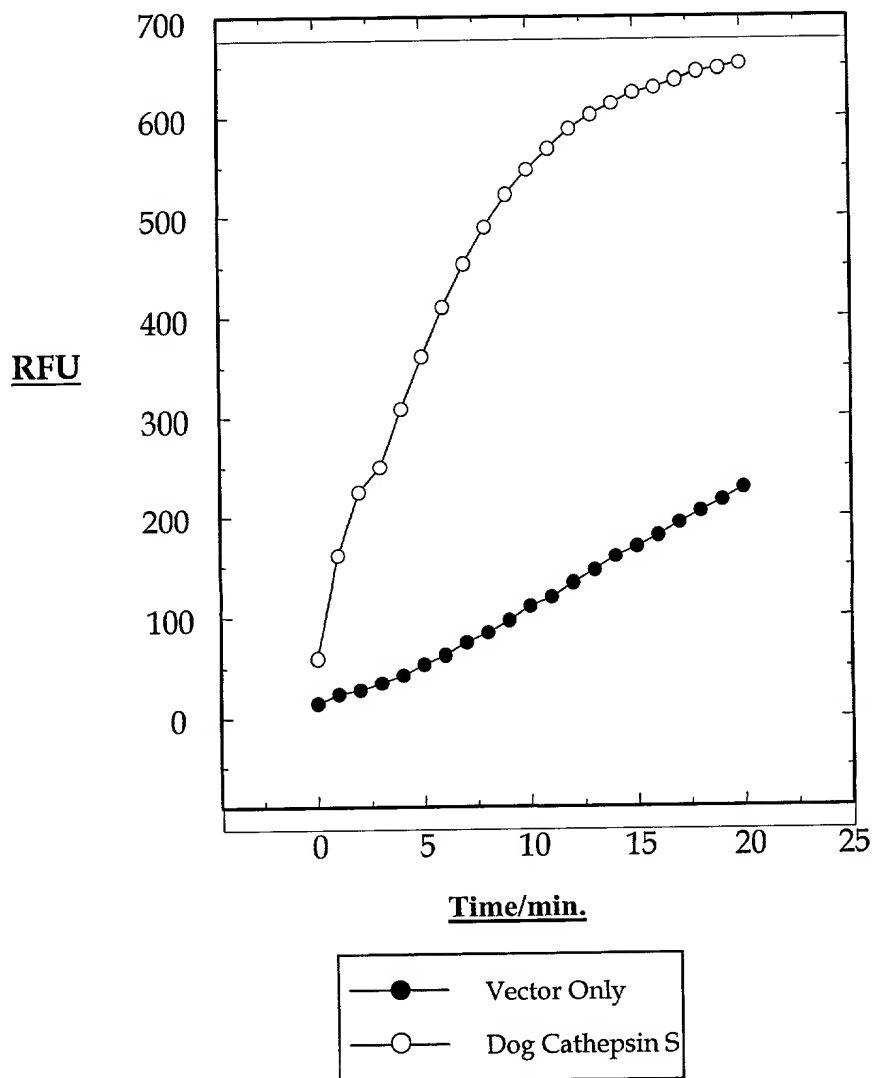
TITLE:	POLYNUCLEOTIDE AND POLYPEPTIDE SEQUENCES OF CANINE CATHEPSIN S		
INVENTORS:	THURMOND, et al.		
APP NO.	N/A		
ATTY:	John W. Wallen, III	TELEPHONE:	(858) 784-3239
DOCKET NO.:	ORT-1458		

Figure 2

MET LYS TRP LEU VAL GLY LEU LEU PRO LEU CYS SER TYR ALA VAL ALA GLN
 VAL HIS LYS ASP PRO THR LEU ASP HIS HIS TRP ASN LEU TRP LYS LYS THR TYR
 SER LYS GLN TYR LYS GLU GLU ASN GLU GLU VAL ALA ARG ARG LEU ILE TRP
 GLU LYS ASN LEU LYS PHE VAL MET LEU HIS ASN LEU GLU HIS SER MET GLY
 MET HIS SER TYR ASP LEU GLY MET ASN HIS LEU GLY ASP MET THR GLY GLU
 GLU VAL ILE SER LEU MET GLY SER LEU ARG VAL PRO SER GLN TRP GLN ARG
 ASN VAL THR TYR ARG SER ASN SER ASN GLN LYS LEU PRO ASP SER VAL ASP
 TRP ARG GLU LYS GLY CYS VAL THR GLU VAL LYS TYR GLN GLY SER CYS GLY
 ALA CYS TRP ALA PHE SER ALA VAL GLY ALA LEU GLU ALA GLN LEU LYS LEU
 LYS THR GLY LYS LEU VAL SER LEU SER ALA GLN ASN LEU VAL ASP CYS SER
 THR GLU LYS TYR GLY ASN LYS GLY CYS ASN GLY GLY PHE MET THR THR ALA
 PHE GLN TYR ILE ILE ASP ASN ASN GLY ILE ASP SER GLU ALA SER TYR PRO TYR
 LYS ALA MET ASN GLY LYS CYS ARG TYR ASP SER LYS LYS ARG ALA ALA THR
 CYS SER LYS TYR THR GLU LEU PRO PHE GLY SER GLU ASP ALA LEU LYS GLU
 ALA VAL ALA ASN LYS GLY PRO VAL SER VAL ALA ILE ASP ALA SER HIS TYR SER
 PHE PHE LEU TYR ARG SER GLY VAL TYR TYR GLU PRO SER CYS THR GLN ASN
 VAL ASN HIS GLY VAL LEU VAL VAL GLY TYR GLY ASN LEU ASN GLY LYS ASP
 TYR TRP LEU VAL LYS ASN SER TRP GLY LEU ASN PHE GLY ASP GLN GLY TYR ILE
 ARG MET ALA ARG ASN SER GLY ASN HIS CYS GLY ILE ALA SER TYR PRO SER
 TYR PRO GLU ILE

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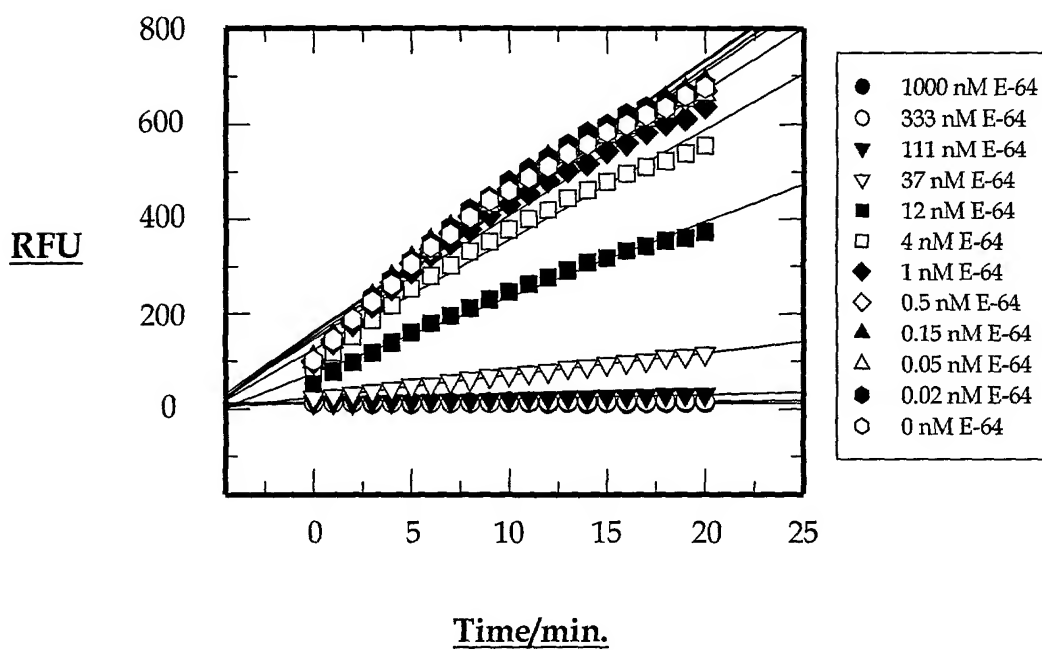
Figure 3



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Figure 4

Panel A



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Figure 4

Panel B

